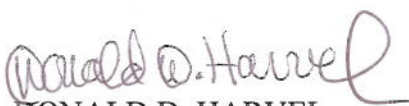


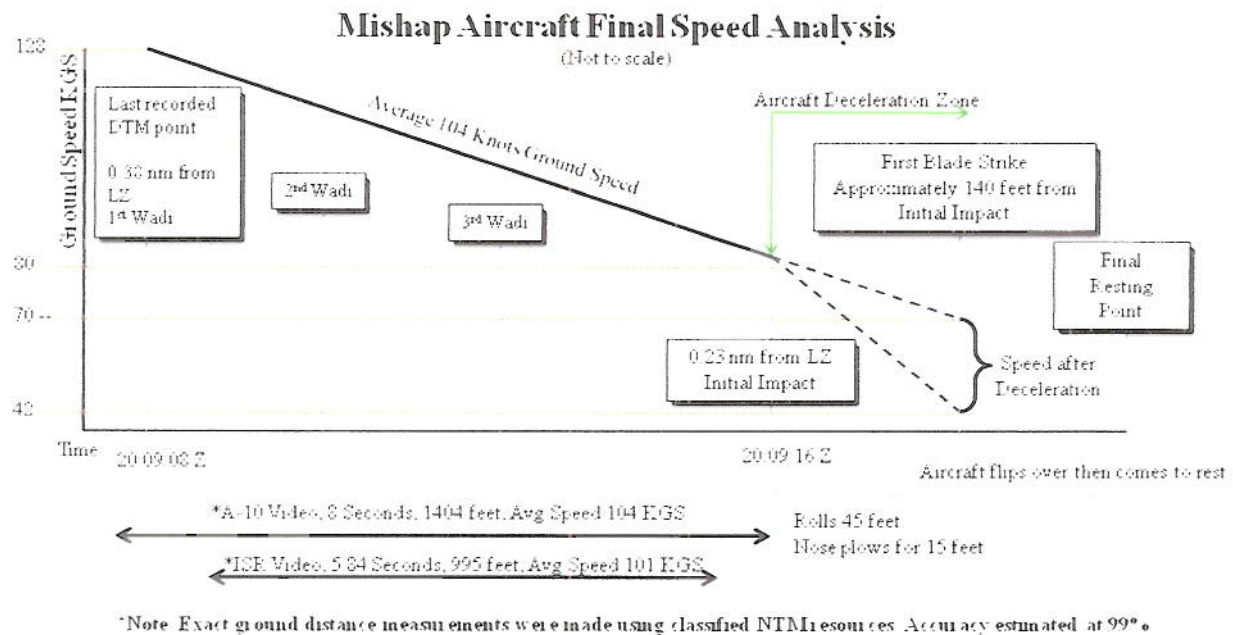
proprotor blade ground strikes and the 80 KGS touchdown speed, he calculated a maximum Nr of 360 RPM (91% of normal Nr).⁶ He also calculated Nr for 75 KGS, 70 KGS, and 65 KGS to account for further deceleration of the MA before the first blade strike. These Nr values were, respectively, 336 RPM (85%), 314 RPM (79%), and 293 RPM (74%). The NST Imagery Analyst stated that he is highly confident in his calculations due to the clarity provided by the NTM resources.

After consideration of this new information, the only fact in the original AIB report that should be modified is the ground speed at impact. A more accurate speed of 80 KGS should be substituted for the approximate speed of 75 KGS contained on the original report on page 12.

22 November 2010



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Brigadier General (Ret.), USAF
President, Accident Investigation Board

⁶ Proprotor RPM is a constant 397 RPM (100% Nr) during normal operation in conversion and helicopter mode. Aircraft thrust (speed and lift) is controlled by the pitch of the blades. If the pilot has armed interim power, when the aircraft speed decreases below 60 KCAS and the nacelles are greater than 70 degrees, Nr then increases to 413 RPM (104% Nr).



After considering all the information above, there is no reason to change the substantially contributing factors in my original Statement of Opinion.

22 November 2010


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